

Converting Colors

$Y_{xy}(13.1400, 0.2847, 0.5197)$

Have a look what the booklet for
Yxy(13.1400, 0.2847, 0.5197)
contains.

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Color

Yxy(13.0744, 0.2845, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	137530
RGB	19, 117, 48
RGB Percent	7%, 46%, 19%
CMY	0.9253, 0.5412, 0.8117
CMYK	0.84, 0.00, 0.59, 0.54
HSL	138°, 72%, 27%
HSV	138°, 84%, 46%
XYZ	7.1642, 13.0744, 4.9432
YIQ	79.8320, -36.2590, -42.2350

Conversions

Conversions Part 2

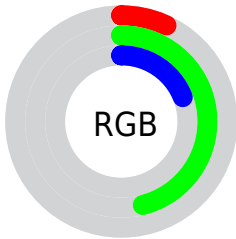
Format	Color
RYB	19, 95, 117
Decimal	1275184
CIELab	42.88, -42.56, 30.16
CIELCh	43, 52.166, 144.677
Yxy	13.0744, 0.2845, 0.5192
Android (android.graphics.Color)	4279465264 (0xFF137530)
YUV	79.8320, -15.6932, -53.3497
Hunter-Lab	36.1585, -27.9106, 17.2055

Details

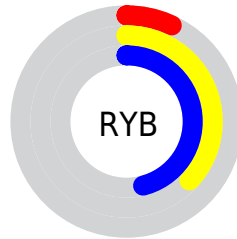
The Yxy color **13.0744, 0.2845, 0.5192** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.9547, 0.3890, 0.2065**, and the grayscale version is **8.0275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3878, 0.2961, 0.4655**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9216, 0.2862, 0.5412**, and if you desaturate by 10%, it is **13.2979, 0.2842, 0.4948**.

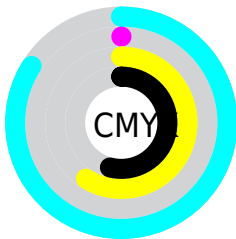
Distribution



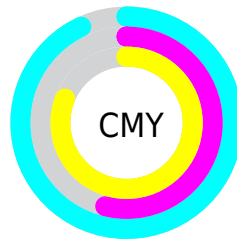
- Red (7%)
- Green (46%)
- Blue (19%)



- Red (7%)
- Yellow (37%)
- Blue (46%)



- Cyan (84%)
- Magenta (0%)
- Yellow (59%)
- Black (54%)





- Cyan (93%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0744, 0.2845, 0.5192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.0744, 0.2845, 0.5192 by changing the saturation by 10% instead.


 13.0744, 0.2845,
0.5192

 13.0744, 0.2845,
0.5192


211.3939, 0.3068,
0.3965


 7.4798, 0.2727,
0.5646


 31.4374, 0.2960,
0.4652


 3.7639, 0.2518,
0.6382

 44.9746, 0.2991,
0.4481


 1.5424, 0.1699,
0.8301

 61.9280, 0.3013,
0.4347

 0.3183, 0.0000,
1.0000

 82.6822, 0.3030,
0.4240

 0.0000, 0.0000,
0.0000

 107.6215, 0.3043,
0.4153

 137.1303, 0.3053,

0.4080

171.5930, 0.3061,
0.4018

■ 13.0744, 0.2845,
0.5192

■ 13.0744, 0.2845,
0.5192

■ 12.9216, 0.2862,
0.5412

■ 13.2979, 0.2842,
0.4948

■ 12.8414, 0.2872,
0.5538

■ 13.6001, 0.2854,
0.4692

■ 13.9885, 0.2879,
0.4434

■ 14.4693, 0.2915,
0.4183

■ 15.0483, 0.2958,
0.3946

■ 15.7305, 0.3006,
0.3727

■ 16.5208, 0.3056,
0.3529

■ 17.4237, 0.3108,
0.3351

■ 18.4435, 0.3159,
0.3193

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.0744, 0.3840, 0.5288



13.0744, 0.2845, 0.5192



13.0744, 0.1977, 0.4135

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.0744, 0.2845, 0.5192



13.0744, 0.1585, 0.1767



13.0744, 0.5098, 0.3209

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.0744, 0.2845, 0.5192



4.9547, 0.3890, 0.2065

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.0744, 0.4246, 0.2555



13.0744, 0.2845, 0.5192



13.0744, 0.2152, 0.1769

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.0744, 0.2845, 0.5192



13.0744, 0.1365, 0.2099



13.0744, 0.3095, 0.2045



13.0744, 0.5232, 0.3930

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.0744, 0.2845, 0.5192



13.0744, 0.1597, 0.3267



13.0744, 0.3095, 0.2045



13.0744, 0.4883, 0.2981

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.0749, 0.2845, 0.5192



27.9182, 0.2996, 0.3768



14.9058, 0.3732, 0.5237



6.3397, 0.2983, 0.3827



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.0749, 0.2845, 0.5192



22.9737, 0.2884, 0.5582



13.7019, 0.2451, 0.3845



4.1144, 0.3080, 0.3443



14.1460, 0.2874, 0.5547



68.8019, 0.2899, 0.5637

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.9547, 0.3890, 0.2065



7.8501, 0.4114, 0.2040



4.4045, 0.5368, 0.2971



3.7404, 0.3177, 0.3142



4.8422, 0.4091, 0.2028



23.4409, 0.4150, 0.2060

Previews

White Background



This preview shows how the Yxy color 13.0744, 0.2845, 0.5192 looks on a white background.

Color Contrast Check

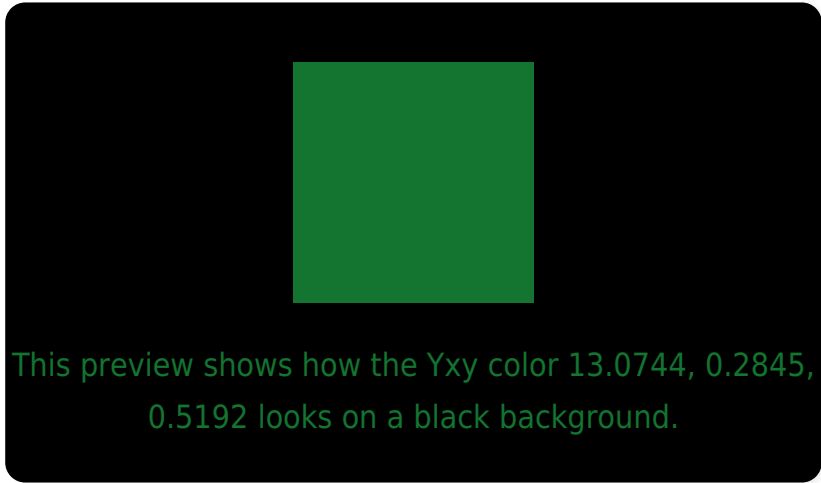
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.0744, 0.2845, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 13.0744, 0.2845, 0.5192.



This preview shows how white text looks on a background with the Yxy color 13.0744, 0.2845, 0.5192.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.0744, 0.2845, 0.5192

Protanopia

12.9265, 0.4079, 0.4479

Deuteranopia

12.8430, 0.4180, 0.4124



Tritanopia

13.1367, 0.2379, 0.3072

Trichromacy



Original Color

13.0744, 0.2845, 0.5192



Protanomaly

12.3246, 0.3467, 0.4816



Deuteranomaly

12.0799, 0.3518, 0.4561



Tritanomaly

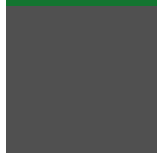
13.0126, 0.2545, 0.3816

Monochromacy



Original Color

13.0744, 0.2845, 0.5192



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.1456, 0.2949, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0744, 0.2845, 0.5192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(19, 117, 48)` looks like.

```
.text, #text, p{  
  color:rgb(19, 117, 48)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(19, 117, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 117, 48) }
```

Border

The CSS property to change the border of an element to Yxy 13.0744, 0.2845, 0.5192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 117, 48) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(19, 117, 48) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(19, 117, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 117, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 117, 48);  
box-shadow:4px 4px 4px 4px rgb(19, 117,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0744, 0.2845, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 117, 48) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(19, 117,  
48) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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